

CLAIMS

1. A method of operating a wind power installation which shuts down at a predetermined position of the sun if the light intensity is above a predetermined value (shut-down intensity).

2. A method according to claim 1 characterised in that the wind power installation is shut down at least at times at a predetermined position of the sun.

3. A method according to claim 1 or claim 2 characterised in that the predetermined positions of the sun at which installation shut-down can be triggered are stored in the wind power installation or in a control and/or data processing apparatus associated therewith.

4. A method according to one of the preceding claims characterised in that the level of light intensity is detected by means of a light sensor and on the basis of the detected light intensity, by means of a data processing program, an evaluation is made as to whether there is at all a solar radiation effect which is sufficient to cause a shadow to be cast.

5. A wind power installation for carrying out the method according to one of the preceding claims comprising a data processing apparatus which controls the wind power installation and in which are stored the positions of the sun or values which are representative in relation thereto, at which shut-down of the installation can occur.

6. A wind power installation according to claim 5 characterised in that the wind power installation is coupled to a light sensor, by means of which the respectively current light intensity or the light intensity as ascertained over a certain time is measured, and that the data ascertained by the light sensor are processed by the data processing apparatus and

wind power installation shut-down takes place if when a predetermined position of the sun occurs, the light intensity is above a predetermined value at which it is to be expected that the wind power installation casts a shadow.

7. A wind power installation according to one of the preceding claims characterised in that the installation has a display device, by means of which the status of shadow shut-down can be reproduced.

8. A wind power installation according to one of the preceding claims characterised in that besides the stored positions of the sun, it is possible to store new positions of the sun, for further immission points, which is implemented by means of suitable programming.

9. A wind park having a plurality of wind power installations according to one of the preceding claims.